

SEQUENCE LISTING

<110> Genova Ltd.
 Bougueleret, Lydie
 Cusin, Isabelle

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33628A/GLT (5037-wo01)

<150> US 60/484,153
 <151> 2003-06-30

<160> 8

<170> PatentIn version 3.1

<210> 1
 <211> 456
 <212> PRT
 <213> Homo sapiens

<400> 1

Met Ile Leu Ser Leu Leu Phe Ser Leu Gly Gly Pro Leu Gly Trp Gly
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Leu Leu Gly Ala Trp Ala Gln Ala Ser Ser Thr Ser Leu Ser Asp Leu
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Gln Ser Ser Arg Thr Pro Gly Val Trp Lys Ala Glu Ala Glu Asp Thr
 35 40 45

Gly Lys Asp Pro Val Gly Arg Asn Trp Cys Pro Tyr Pro Met Ser Lys
 50 55 60

Leu Val Thr Leu Leu Ala Leu Cys Lys Thr Glu Lys Phe Leu Ile His
 65 70 75 80

Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Lys Val Lys
 85 90 95

Val Met Tyr Arg Met Ala His Lys Pro Val Tyr Gln Val Lys Gln Lys
 100 105 110

Val Leu Thr Ser Leu Ala Trp Arg Cys Cys Pro Gly Tyr Thr Gly Pro
 115 120 125

Asn Cys Glu His His Asp Ser Met Ala Ile Pro Glu Pro Ala Asp Pro
 130 135 140

Gly Asp Ser His Gln Glu Pro Gln Asp Gly Pro Val Ser Phe Lys Pro
 145 150 155 160

Gly His Leu Ala Ala Val Ile Asn Glu Val Glu Val Gln Gln Glu Gln
 165 170 175

4-33628 (5037-W001).ST25.txt

Gln Glu His Leu Leu Gly Asp Leu Gln Asn Asp Val His Arg Val Ala
 180 185 190
 Asp Ser Leu Pro Gly Leu Trp Lys Ala Leu Pro Gly Asn Leu Thr Ala
 195 200 205
 Ala Ser Leu Ser Asn Asp Val Lys Asn Val Gly Arg Cys Cys Glu Ala
 210 215 220
 Glu Ala Gly Ala Gly Ala Ala Ser Leu Asn Ala Ser Leu His Gly Leu
 225 230 235 240
 His Asn Ala Leu Phe Ala Thr Gln Arg Ser Leu Glu Gln His Gln Arg
 245 250 255
 Leu Phe His Ser Leu Phe Gly Asn Phe Gln Gly Leu Met Glu Ala Asn
 260 265 270
 Val Ser Leu Asp Leu Gly Lys Leu Gln Thr Met Leu Ser Arg Lys Gly
 275 280 285
 Lys Lys Gln Gln Lys Asp Leu Glu Ala Pro Arg Lys Arg Asp Lys Lys
 290 295 300
 Glu Ala Glu Pro Leu Val Asp Ile Arg Val Thr Gly Pro Val Pro Gly
 305 310 315 320
 Ala Leu Gly Ala Ala Leu Trp Glu Ala Gly Ser Pro Val Ala Phe Tyr
 325 330 335
 Ala Ser Phe Ser Glu Gly Thr Ala Ala Leu Gln Thr Val Lys Phe Asn
 340 345 350
 Thr Thr Tyr Ile Asn Ile Gly Ser Ser Tyr Phe Pro Glu His Gly Tyr
 355 360 365
 Phe Arg Ala Pro Glu Arg Gly Val Tyr Leu Phe Ala Val Ser Val Glu
 370 375 380
 Phe Gly Pro Gly Pro Gly Thr Gly Gln Leu Val Phe Gly Gly His His
 385 390 395 400
 Arg Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr
 405 410 415
 Val Phe Ala Met Ala Glu Leu Gln Lys Gly Glu Arg Val Trp Phe Glu
 420 425 430
 Leu Thr Gln Gly Ser Ile Thr Lys Arg Ser Leu Ser Gly Thr Ala Phe
 435 440 445

4-33628 (S037-W001).ST25.txt
 Gly Gly Phe Leu Met Phe Lys Thr
 450 455

<210> 2
 <211> 433
 <212> PRT
 <213> Homo sapiens

<400> 2

Ala Ser Ser Thr Ser Leu Ser Asp Leu Gln Ser Ser Arg Thr Pro Gly
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Val Trp Lys Ala Glu Ala Glu Asp Thr Ser Lys Asp Pro Val Gly Arg
 20 25 30

Asn Trp Cys Pro Tyr Pro Met Ser Lys Leu Val Thr Leu Leu Ala Leu
 35 40 45

Cys Lys Thr Glu Lys Phe Leu Ile His Ser Gln Gln Pro Cys Pro Gln
 50 55 60

Gly Ala Pro Asp Cys Gln Lys Val Lys Val Met Tyr Arg Met Ala His
 65 70 75 80

Lys Pro Val Tyr Gln Val Lys Gln Lys Val Leu Thr Ser Leu Ala Trp
 85 90 95

Arg Cys Cys Pro Gly Tyr Thr Gly Pro Asn Cys Glu His His Asp Ser
 100 105 110

Met Ala Ile Pro Glu Pro Ala Asp Pro Gly Asp Ser His Gln Glu Pro
 115 120 125

Gln Asp Gly Pro Val Ser Phe Lys Pro Gly His Leu Ala Ala Val Ile
 130 135 140

Asn Glu Val Glu Val Gln Gln Glu Gln Gln Glu His Leu Leu Gly Asp
 145 150 155 160

Leu Gln Asn Asp Val His Arg Val Ala Asp Ser Leu Pro Gly Leu Trp
 165 170 175

Lys Ala Leu Pro Gly Asn Leu Thr Ala Ala Ser Leu Ser Asn Asp Val
 180 185 190

Lys Asn Val Gly Arg Cys Cys Glu Ala Glu Ala Gly Ala Gly Ala Ala
 195 200 205

Ser Leu Asn Ala Ser Leu His Gly Leu His Asn Ala Leu Phe Ala Thr
 210 215 220

Gln Arg Ser Leu Glu Gln His Gln Arg Leu Phe His Ser Leu Phe Gly
 3

225 230 235 240
 Asn Phe Gln Gly Leu Met Glu Ala Asn Val Ser Leu Asp Leu Gly Lys
 245 250 255
 Leu Gln Thr Met Leu Ser Arg Lys Gly Lys Lys Gln Gln Lys Asp Leu
 260 265 270
 Glu Ala Pro Arg Lys Arg Asp Lys Lys Glu Ala Glu Pro Leu Val Asp
 275 280 285
 Ile Arg Val Thr Gly Pro Val Pro Gly Ala Leu Gly Ala Ala Leu Trp
 290 295 300
 Glu Ala Gly Ser Pro Val Ala Phe Tyr Ala Ser Phe Ser Glu Gly Thr
 305 310 315 320
 Ala Ala Leu Gln Thr Val Lys Phe Asn Thr Thr Tyr Ile Asn Ile Gly
 325 330 335
 Ser Ser Tyr Phe Pro Glu His Gly Tyr Phe Arg Ala Pro Glu Arg Gly
 340 345 350
 Val Tyr Leu Phe Ala Val Ser Val Glu Phe Gly Pro Gly Pro Gly Thr
 355 360 365
 Gly Gln Leu Val Phe Gly Gly His His Arg Thr Pro Val Cys Thr Thr
 370 375 380
 Gly Gln Gly Ser Gly Ser Thr Ala Thr Val Phe Ala Met Ala Glu Leu
 385 390 395 400
 Gln Lys Gly Glu Arg Val Trp Phe Glu Leu Thr Gln Gly Ser Ile Thr
 405 410 415
 Lys Arg Ser Leu Ser Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys
 420 425 430

Thr

<210> 3
 <211> 152
 <212> PRT
 <213> Homo sapiens
 <400> 3

Glu Ala Glu Pro Leu Val Asp Ile Arg Val Thr Gly Pro Val Pro Gly
 1 5 10 15
 Ala Leu Gly Ala Ala Leu Trp Glu Ala Gly Ser Pro Val Ala Phe Tyr
 20 25 30

Ala Ser Phe Ser Glu Gly Thr Ala Ala Leu Gln Thr Val Lys Phe Asn
 35 40 45
 Thr Thr Tyr Ile Asn Ile Gly Ser Ser Tyr Phe Pro Glu His Gly Tyr
 50 55 60
 Phe Arg Ala Pro Glu Arg Gly Val Tyr Leu Phe Ala Val Ser Val Glu
 65 70 75 80
 Phe Gly Pro Gly Pro Gly Thr Gly Gln Leu Val Phe Gly Gly His His
 85 90 95
 Arg Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr
 100 105 110
 Val Phe Ala Met Ala Glu Leu Gln Lys Gly Glu Arg Val Trp Phe Glu
 115 120 125
 Leu Thr Gln Gly Ser Ile Thr Lys Arg Ser Leu Ser Gly Thr Ala Phe
 130 135 140
 Gly Gly Phe Leu Met Phe Lys Thr
 145 150

<210> 4
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 4

Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr Val
 1 5 10 15

Phe Ala Met Ala Glu Leu Gln Lys
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<210> 5
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 5

Val Trp Phe Glu Leu Thr Gln Gly Ser Ile Thr Lys
 1 5 10

<210> 6
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 6

Ser Leu Ser Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys
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1

5

10

<210> 7
 <211> 1371
 <212> DNA
 <213> Homo sapiens

<400> 7
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 tgggaaggcag aggcgtgagga caccggcaag gaccccgtag gacgtaactg gtgcccctac 180
 ccaatgtcca agctgggtcac ctactagct ctttgcaaaa cagagaaatt cctcatccac 240
 tcgcagcagc cgtgtccgca gggagctcca gactgccaga aagtaaaagt catgtaccgc 300
 atggcccaca agccagtgtt ccagggtcaag cagaagggtg tgacctcttt ggcttgagg 360
 tgcctgccctg gctacacggg ccccaactgc gagcaccacg attccatggc aatccctgag 420
 cctgcagatc ctgggtgacag ccaccaggaa cctcaggatg gaccagtcag cttcaaacct 480
 ggccaccttg ctgcagtgat caatgaggtt gaggtgcaac aggaacagca ggaacatctg 540
 ctgggagatc tccagaatga tgtgcaccgg gtggcagaca gcctgccagg cctgtggaaa 600
 gccttgcctg gtaacctcac agctgcaagc ctgagcaacg acgtcaagaa tgtcgggcgg 660
 tgctgcaggg ccgaggccgg ggccggggcc gcctccctca acgcctccct tcacggcctc 720
 cacaacgcac tcttcgccac tcagcgagc ttggagcagc accagcggct ctccacagc 780
 ctctttggga acttccaagg gctcatggaa gccaacgtca gcctggacct ggggaagctg 840
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 agggacaaga aggaagcgga gcctttgggtg gacatacggg tcacaggggc tgtgccaggt 960
 gccttggggc cggcgctctg ggaggcagga tccccctgtg ccttctatgc cagcttttca 1020
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 gctgagctgc agaaggggtg gcgagtatgg tttgagttaa cccagggatc aataacaaag 1320
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<210> 8
 <211> 417
 <212> PRT
 <213> Mus musculus

<400> 8

Met Ile Pro Thr Leu Leu Leu Gly Phe Gly Val Tyr Leu Ser Trp Gly
 1 5 10 15

Leu Leu Gly Ser Trp Ala Gln Asp Pro Gly Thr Lys Phe Ser His Leu

20 25 30
 Asn Arg Pro Gly Met Pro Glu Gly Trp Arg Leu Gly Ala Glu Asp Thr
 35 40 45
 Ser Arg Asp Pro Ile Arg Arg Asn Trp Cys Pro Tyr Gln Lys Ser Arg
 50 55 60
 Leu Val Thr Phe Val Ala Ala Cys Lys Thr Glu Lys Phe Leu Val His
 65 70 75 80
 Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Gly Val Arg
 85 90 95
 Val Met Tyr Arg Val Ala Gln Lys Pro Val Tyr Gln Val Gln Gln Lys
 100 105 110
 Val Leu Ile Ser Val Asp Trp Arg Cys Cys Pro Gly Phe Gln Gly Pro
 115 120 125
 Asp Cys Gln Asp His Asn Pro Thr Ala Asn Pro Glu Pro Thr Glu Pro
 130 135 140
 Ser Gly Lys Leu Gln Glu Thr Trp Asp Ser Met Asp Gly Phe Glu Leu
 145 150 155 160
 Gly His Pro Val Pro Glu Phe Asn Glu Ile Lys Val Pro Gln Glu Gln
 165 170 175
 Gln Glu Ile Arg Arg Leu Ser Ser Asp Val Lys Gln Ile Gly Gln Cys
 180 185 190
 Cys Glu Ala Ser Trp Ala Ala Ser Leu Asn Ser Ser Leu Glu Asp Leu
 195 200 205
 His Ser Met Leu Leu Asp Thr Gln His Gly Leu Arg Gln His Arg Gln
 210 215 220
 Leu Phe His Asn Leu Phe Gln Asn Phe Gln Gly Leu Val Ala Ser Asn
 225 230 235 240
 Ile Ser Leu Asp Leu Gly Lys Leu Gln Ala Met Leu Ser Lys Lys Asp
 245 250 255
 Lys Lys Gln Pro Arg Gly Pro Gly Glu Ser Arg Lys Arg Asp Lys Lys
 260 265 270
 Gln Val Val Met Ser Thr Asp Ala His Ala Lys Gly Leu Glu Leu Trp
 275 280 285
 Glu Thr Gly Ser Pro Val Ala Phe Tyr Ala Gly Ser Ser Glu Gly Ala
 7

290	295	300
Thr Ala Leu Gln Met Val Lys Phe Asn Thr Thr Ser Ile Asn Val Gly 305 310		
Ser Ser Tyr Phe Pro Glu His Gly Tyr Phe Arg Ala Pro Lys Arg Gly 325 330 335		
Val Tyr Leu Phe Ala Val Ser Ile Thr Phe Gly Pro Gly Pro Gly Met 340 345 350		
Gly Gln Leu Val Phe Glu Gly His His Arg Val Pro Val Tyr Ser Thr 355 360 365		
Glu Gln Arg Gly Gly Ser Thr Ala Thr Thr Phe Ala Met Val Glu Leu 370 375 380		
Gln Lys Gly Glu Arg Ala Trp Phe Glu Leu Ile Gln Gly Ser Ala Thr 385 390 395 400		
Lys Gly Ser Gln Pro Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys 405 410 415		
Thr		